

FQ5-404

ABSTRACT OF THE DISCLOSURE

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5 An automobile communication system which can ensure fast hand-over without putting unnecessary burden on mobile stations and can adequately handle changes in road condition is disclosed. For each of the radio zones formed by roadside transceivers arranged along a road, a plurality of transmission and reception frequencies f_{t1}/f_{r1} and f_{t2}/f_{r2} are provided. The in-use transmission/reception frequencies in adjoining radio zones are switched at predetermined timing such that they are not permitted to be overlapped.

10 By switching a time slot allocated to the vehicle-mounted transceiver, the vehicle-mounted transceiver can continuously communicate with the roadside transceivers at the same communication frequency over the radio zones.